IN THE CLAIMS

Claims 1-15, 17-30, 32-35, and 37-38. (Cancelled)

16. (Currently Amended) A metal structure for forming a composite part, the structure comprising a steel surface having adhered ~~deposited~~ thereon a cured ~~an~~ adhesive with polyamide ~~mixture of an acid impervious~~ polymer particulates dispersed therein, the cured adhesive and particulates being able to produce a formed composite part at temperature levels between 500°F to 700°F. ~~and a high curing temperature powder adhesive to adhere the particulate to the steel surface, the adhesive having a curing temperature lower than a maximum acid impervious temperature level of the particulate the adhesive mixture being operative to form an acid impervious barrier at temperatures above 500°F.~~

31. (Currently amended) The metal structure of Claim 16 ~~26~~ wherein the ~~curing~~ cured operating temperature of the adhesive and particulates are ~~is~~ greater than a leaching temperature of the part.

36. (Previously added) The metal structure of Claim 35 wherein the ~~acid impervious~~ particulate has a total surface area of about 0.008 square inches for providing a smooth surface finish to the composite part.

39. (New) The metal structure of Claim 16 wherein the composite part is resin-impregnated fibers.

40. (New) A structure to form a composite part having a forming temperature of above 500°F, the structure comprising:

a. a metal surface defining a leaching temperature with respect to the composite part, the leaching temperature being a temperature at which acid from the composite part leaches iron from the metal surface to produce a less than full-utility

composite part out of the structure, the forming temperature being greater than the leaching temperature; and

b. a mixture adhered to the metal surface, the mixture being a cured adhesive with polyamide polymer particulates dispersed within the cured adhesive, the mixture having an operating temperature greater than the forming temperature, the operating temperature being up to 700°F and a temperature at which the mixture when interposed between the composite part and metal surface prevents acid from the composite part from leaching iron from the metal surface to produce a full-utility composite part out of the structure.

41. (New) The structure of Claim 40 wherein the particulate has a total surface area of about 0.008 square inches for providing a smooth surface finish to the composite part.

42. (New) The structure of Claim 40 wherein the mixture is coated over the metal surface.

43. (New) The structure of Claim 42 wherein the mixture conforms to the metal surface in film form.

44. (New) The structure of Claim 40 wherein the particulates are evenly dispersed in the cured adhesive such that the composite part has full-utility out of the structure.

45. (New) The structure of Claim 40 wherein the metal surface is a steel surface.

46. (New) The structure of Claim 40 wherein the composite part is resin-impregnated fibers.